

UNION CARBIDE CORPORATION  
METALS DIVISION  
LA SAL, UTAH 84530

August 29, 1983

RECEIVED  
SEP 06 1983

DIVISION OF  
OIL, GAS & MINING

Mr. Tom Tetting  
State of Utah  
Natural Resources & Energy  
4241 State Office Building  
Salt Lake City, Utah 84114

Dear Tom,

ACT/037/026  
LaSal, Snowball, Beaver

I am enclosing some recently updated maps and a revised bond estimate for the La Sal, Snowball, Beaver Permit (ACT/037/026). The maps show some additional changes in acreage already affected and also shows the areas of expected expansion for waste dumps, etc.

The new estimate for acreage affected is 56 acres and is broken down as follows:

La Sal Incline Area	16.0 Acres
Beaver Shaft Area	16.0
Snowball	4.2
Beaver Shaft Waste Dump	2.8
11 Venthole Sites and Access	9.0
Haulage Roads	3.8
Contingency: Evaporation Ponds	5.0
	<hr/>
	55.8 or 56.0 Acres

The pond contingency is reserved for the area to the west of the Beaver Shaft, should a ventilation shaft drilled in this area encounter water and the complete sealing of acquifers not be achieved.

The revised bond estimate should reflect all of the above without any potential salvage value for standing structures as agreed upon in April.

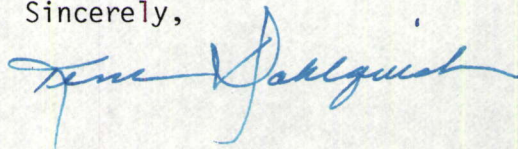
As was noted in your last visit, May 25th, the Snowball drainage channel problem referred to in your April 21, 1983 letter, has also been corrected.



Mr. Tom Tetting  
ACT/037/026  
August 29, 1983  
Page 2

I hope the information enclosed will serve to finalize the review of this permit. If you have further questions, please do not hesitate to call.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kent G. Dahlquist".

Kent G. Dahlquist  
Mining Engineer

KGD:b

Enclosures



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
4241 State Office Building  
Salt Lake City, Utah 84114

BOND ESTIMATE  
La Sal-Snowball-Beaver

OPERATION	ACRES	COST/ACRE	CUBIC YARDS	COST/CY	TOTAL
A. Removal of Structures and Equipment					
1. Electrical equipment					
2. Major mobile equipment					
3. Major stationary equipment					\$25,000.00
4. Service, mill and office facilities					\$25,000.00
B. Removal of Trash and Extraneous Debris					\$ 3,600.00
C. Foundation Elimination and Transportation Corridor Reclamation					
1. Burial and/or break-up					\$ 4,000.00
2. Removal					



OPERATION	ACRES	COST/ACRE	CUBIC YARDS	COST/CY	TOTAL
D. Regrading and Recontouring					
1. Earthwork to final grade	56	\$900.00			\$50,400.00
2. Topsoil replacement					
a. procurement (if necessary)					
b. resspreading					
3. Stabilization					
a. reseeding					
b. fertilization					
c. mulching					
d. irrigation					
		\$300.00			\$16,800.00
E. Safety					
1. Erection of portal coverings and fences					\$ 3,200.00
2. Plugging of boreholes and exploratory openings					\$22,000.00
3. Removal of hazardous materials					\$ 300.00
4. Elimination of highwalls					



OPERATIONS	ACRES	COST/ACRE	CUBIC YARDS	COST/CY	TOTAL
F. Monitoring					\$ 15,000.00
1. Continuing or periodic monitoring, sampling, and testing deemed necessary					
G. Other (Ponds)	5				\$ 10,000.00
H. Contingency and Contractual Costs					\$ 17,530.00
I. Inflation Factor (1.5)					\$ 96,415.00
TOTAL					\$271,715.00